

AP CS A - Daily Plan Sheet

Date: _____

Quadratic Sorts & Linear/Binary Search - Weeks 19-21

Here are the [labs](#), [review sheet](#), and [worksheets](#) referred to below.

Week 19	In Class	Homework
day 96	Lecture 18.1 18.2 Selection/Insertion Sorts How do they work and a bit of code	Sorts Practice Worksheet
day 97	Lecture friendly Big-Oh ideas begin Counting Num Iterations Worksheet	finish Counting Number of Iterations Worksheet
day 98	Students role play the sorts Lecture Array-Records- Sorts-Search (cont'd)	pseudocode 3 methods for Part II in Sorter.java
day 99	lab	
day 100	lab	read 18.6
Week 20		
day 101	Lecture 18.6 Linear Search iterative vs. recursive	read 18.7
day 102	Lecture 18.7 Binary Search iterative vs. recursive	Sort & Search Worksheet
day 103	lab	read 17.1 17.5
day 104	Lecture 17.1 17.5 recursive reverseLine other recursive algorithms Towers of Hanoi	Recursion Worksheet 1
day 105	lab	Recursion Worksheet 2
Week 21		
day 106	Recursion Worksheet 3 in pairs	catch up reading
day 107	lab	catch up reading
day 108	lab	Review Sheet
day 109	Go Over Review Sheet	study for test
day 110	Test	read 18.4

Objectives:

- insertion and selection sorts
- sequential vs. binary searching
- introduction to some friendly Big-O ideas
- recursion